

**To:** Way, Steven[way.steven@epa.gov]; Peterson, Cynthia[Peterson.Cynthia@epa.gov]  
**Cc:** Wharton, Steve[Wharton.Steve@epa.gov]  
**From:** Fagen, Elizabeth  
**Sent:** Wed 6/17/2015 3:22:50 PM  
**Subject:** RE: Data/Info Provided and Data Available

Hi all,

That is correct. The USGS aerial image shows mineralization in the gravel roads in town, but does not correlate to concentrations of metals.

Cynthia - The other bullet points are correct.

Liz

Liz Fagen, P.E.

Environmental Engineer

US EPA Superfund Project Manager

(303) 312-6095

EPA Region 8

1595 Wynkoop St., Denver, CO 80202

**From:** Way, Steven  
**Sent:** Wednesday, June 17, 2015 8:29 AM  
**To:** Peterson, Cynthia  
**Cc:** Fagen, Elizabeth; Wharton, Steve  
**Subject:** Re: Data/Info Provided and Data Available

Liz - the USGS survey results as presented is pretty low resolution for judging potential soils metals (Pb) concentration. Not sure we put emphasis on this.

Thanks

Sent from my iPhone

On Jun 17, 2015, at 8:00 AM, Peterson, Cynthia <[Peterson.Cynthia@epa.gov](mailto:Peterson.Cynthia@epa.gov)> wrote:

Hi, Liz.

I had to extrapolate a bit from the information in your email. Please fact check the follow text an make sure I captured everything accurately.

Thanks!

i) There is a history of mining activity in the watershed. There were eight smelters in the Upper Animas Basin; four were in/near Town and operated for various periods of time from 1875 to 1907. (*See historic smelter information*)

(1) We have very little data –

(a) Rose Walsh Smelter Brownfields investigation report (circa 2007-2009), lead concentrations at the site ranged from 99 to ~34,000 ppm in the surface soils. Arsenic as high as 1600 ppm in surface soils. These data tell us that there was contamination at the Rose-Walsh Smelter area, but does not speak to whether there is contamination in other areas of town.

(b) State (CDPHE) Site Assessment (circa 1997-1998)  
Two opportunity samples were taken showing lead levels of 205 ppm and 1840 ppm respectively. Unclear if this report is final or draft.

(c) USGS Aerial Spectroscopy - USGS Professional Paper 1651 (2007). Shows mineralization of unpaved streets in town, but according to Dan Wall, there is no tie between these images and evidence lead contamination.

Cynthia Peterson

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**From:** Fagen, Elizabeth

**Sent:** Thursday, June 11, 2015 5:59 PM

**To:** Way, Steven

**Cc:** Peterson, Cynthia; Wharton, Steve

**Subject:** Data/Info Provided and Data Available

Hi Steve,

During the March 2015 meeting with the town, 3 pieces of information/data were provided to the board.

- [USGS aerial imaging spectroscopy presented in USGS Professional Paper 1651 \(2007\)](#) – This was to show mineralization in the unpaved streets of Silverton. Based on Dan's evaluation, there was no tie between these images and lead contamination.

[I:\30 Day Share\Wharton - Upper Animas River\USGS spectroscopy.pdf](#)

- ATSDR's Lead fact sheet

- VCUP/Brownfields data – I need to verify what parts of the document that Paula handed out to the board members. We can get that from her on Monday. These are the VCUP application, the Phase II Brownfields investigation (2005), the Targeted Brownfields Investigation (2006), and the VCUP application (2009). These data tell us that there was contamination at the Rose-Walsh Smelter area, but does not speak to whether there is contamination in other areas of town.

I:\30 Day Share\Wharton - Upper Animas River\Phase II Sampling Plan Brownfields Assessment 2005.pdf

I:\30 Day Share\Wharton - Upper Animas River\Analytical Results Targeted Brownfields Investigation Sept 2006.pdf

I:\30 Day Share\Wharton - Upper Animas River\SJC Smelter VCUP\_FINAL\_2009-09-28 (2).pdf

The additional data sources include the the CDPHE Site Inspection completed in 1997-1998-ish. The report refers to two opportunistic samples collected from two “Simon” owned properties in Silverton. The sample id's are OP-SL-1 and OP-SL-2. If you search for OP-SL in this document you will find all references to the samples collected. The issue is that it is not clear if this report is final. Table 13 on page 80, **\*may\*** have also been handed out during the March 2015 meeting. I remember seeing it in Paula's handouts, but I'm not sure if it was given to the town board members. This table gives the results of metals in the two samples.

I:\30 Day Share\Wharton - Upper Animas River\DRAFT CDPHE Site Inspection Report 1999.pdf

Hopefully this is helpful. I have not updated the potential hand out with summary bullets. I can work on that next week once we have the agenda firmed up.

Liz

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